Briton 2500 Series - Low energy operator

Power assisted opening for convenience or for less able users

The Low Energy swing operator is a surface mounted electromechanical unit which is designed specifically to provide a means of automating new or existing single doors. The flexible microprocessor control allows activation by motion sensors, push button or by manual activation. In manual activation mode, the operator will provide power assisted opening of the door and spring power closing like a conventional door closer.

With an array of built-in safety features, the Low Energy operator is an ideal means of providing easy access for low traffic entrance doors, internal doors and disabled WC facilities.

Low Energy Operator Features and Options

The standard Low Energy operator gives precise door control in all conditions, monitoring the door position and allowing simple adjustment of the door operating parameters such as the opening and closing speeds. In addition, provision is made for extra controls including:

- Automatic operation mode (selectable option) allows activation by either motion sensor, manual push pad/plate or via an integrated access control device
- Push & Go (selectable option) allows activation by gently pushing or pulling the door
- Manual operation allows the door to be easily operated as a standard manual door whilst still giving smooth action over the door cycle
- Power Boost (selectable option) in the final closing phase ensures the door reaches the fully closed position
- Safety stop halts the door when an object or person is encountered
- Delayed action holding is adjustable 0 - 30 sec.
- Additional safety sensors can be door mounted
- Emergency egress allows manual door opening
- Available in satin anodised aluminium finish and a range of powder coated RAL colours

Typical applications

The Low Energy operator provides a highly economic solution to the obligation placed on service providers to comply with legislation concerning access for disabled users as recommended in Approved Document M of Building Regulations. This totally self contained unit can be applied to existing hinged or pivoted timber, metal or glazed doors without altering the doors or frames. It may also be combined with electronic access control which will simultaneously unlock and activate the opening of the door.

The addition of other safety features such as the Allegion Fingersafe (2550.FG) and the ability to monitor sensors helps to ensure compliance with EN 16005:2012 at the time of installation.

Please note: Briton 2500 Series operators should only be fitted by a qualified installer or electrical engineer.
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Accessories

A selection of accessories is available for use with the Briton operator including rubber finger protection and activation buttons.

For additional accessories please contact your Allegion Specification Consultant for further information or guidance on the selection of accessories.

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
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<tbody>
<tr>
<td>2550.AP</td>
<td>Arm pack push - regular</td>
</tr>
<tr>
<td>2550.T.AP</td>
<td>Arm pack pull - slide channel</td>
</tr>
<tr>
<td>2550.FG</td>
<td>Rubber Finger Safe</td>
</tr>
<tr>
<td>2550.PPL.PTO</td>
<td>Push pad - large with engraving “Push to Open” and surface mounting box</td>
</tr>
<tr>
<td>2550.PPS.PTO</td>
<td>Push pad - narrow with engraving “Push to Open” and surface mounting box</td>
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In commercial and public buildings, the safety and security of the people who visit them and work in them are paramount considerations. From their earliest patented designs in the US and UK dating back to the start of the last century, Allegion has been pioneering the development of the most reliable and durable panic exit solutions available anywhere in the world.